

*Application No. 10/719,8401*  
*Reply to Office Action of Jun. 7, 2004*  
*Amendment dated Sep. 7, 2004*

**AMENDMENTS TO IN THE SPECIFICATION**

Please replace the paragraph beginning on page 42, line 2, with the following amended paragraph:

The invention is directed to a system and method for detecting substances, such as high boiling and low vapor pressure materials, using high energy radiation imparted by a suitable radiation source, such as a strobe or laser over a short time period. The radiation source causes the materials to vaporize. A system handling system is used in conjunction with a detector to detect the presence of the materials including explosives, explosive-related compounds, chemical warfare agents, drugs, toxic industrial compounds, and derivatives thereof.